

NEW CLAIMS

=====

1. Method for producing connecting plates (2) of hydrostatic machines with the following method steps

- Producing an extruded profile (44)
- 5 - Cutting the extruded profile (44) to length into connecting plate-blanks (45)
- Further processing of the connecting plate-blanks (45) cut to length.

10 characterised in that

the extruded profile (44) is cut to length into connecting plate-blanks (45) of various thicknesses.

2. Method according to claim 1,

characterised in that

15 the extruded profile (44) is produced by continuous casting or extruding.

3. Method according to claim 1 or 2,

characterised in that

the extruded profile (44) is produced at least partially
5 from aluminium, iron or copper, or from an alloy with at
least one of these metals.

4. Method according to any one of the preceding claims,

characterised in that

the cutting to length takes place by sawing, laser cut-
10 ting, water jet cutting or by a burning out method.

5. Method according to any one of the preceding claims,

characterised in that

in cross-section, the contour of the extruded profile
(44) and the contour of the connecting plate (2) are
15 congruent.

6. Method according to any one of the preceding claims,

characterised in that

the extruded profile (44) is cut to length into at least two connecting plate-blanks (45).

7. Method according to any one of the preceding claims, characterised in that

5 during further processing of the connecting plate-blanks (45) cut to length from the extruded profile (44), a pressure channel (16D), a suction channel (16S), a blind bore (19), a groove (39) and/or a connecting line (38) are introduced into the connecting plate-blank (45).

10 8. Method according to any one of the preceding claims, characterised in that

during further processing of the connecting plate-blanks (45) cut to length from the extruded profile (44) the connecting plate-blank (44) is deburred.

15 9. Connecting plate (1) of a hydrostatic machine,

the connecting plate (2) being produced from an extruded profile (44) and the connecting plate (2) being made from a connecting plate-blank (45) which is cut off from the extruded profile (44),

20 characterised in that

in cross-section the contour of the extruded profile (44) and the contour of the connecting plate (2) are congruent and in that a blind bore (19) and a groove (39) and/or a connection line (38) are introduced into the connecting
5 plate-blanks (45) which are cut to length.

10. Connecting plate according to claim 9,

characterised in that

the connecting plate (2) is produced from an extruded profile (44) which is produced by continuous casting or
10 extruding.

11. Connecting plate according to claim 9 or 10,

characterised in that

the connecting plate (2) is produced from an extruded profile (44) which consists at least partially of aluminium, iron or copper or from an alloy with at least one
15 of these metals.

12. Connecting plate according to any one of claims 9 to 11,

characterised in that

the connecting plate-blank (45) from which the connecting plate (2) is made, is cut off from the extruded profile (44) by sawing, laser cutting, water jet cutting or by a burning out method.

Translator's Note

In claim 8 the reference numeral "**44**" in line 23 is not correct for "connecting plate-blank", which is "**45**".